

FIG. 1 is a block diagram of a system 100 for generating a multi-wavelength signal. The system 100 includes a combiner 105, a wavelength converter 110, and four parallel processing channels 141, 142, 143, and 144. Each channel 141-144 includes a tunable laser 151-154, a modulator 171-174, and a chromatic dispersive element 181-184. The outputs of the chromatic dispersive elements 181-184 are combined by the combiner 105 to produce a multi-wavelength signal 132, which is then converted by the wavelength converter 110 to produce a single-wavelength signal 130.

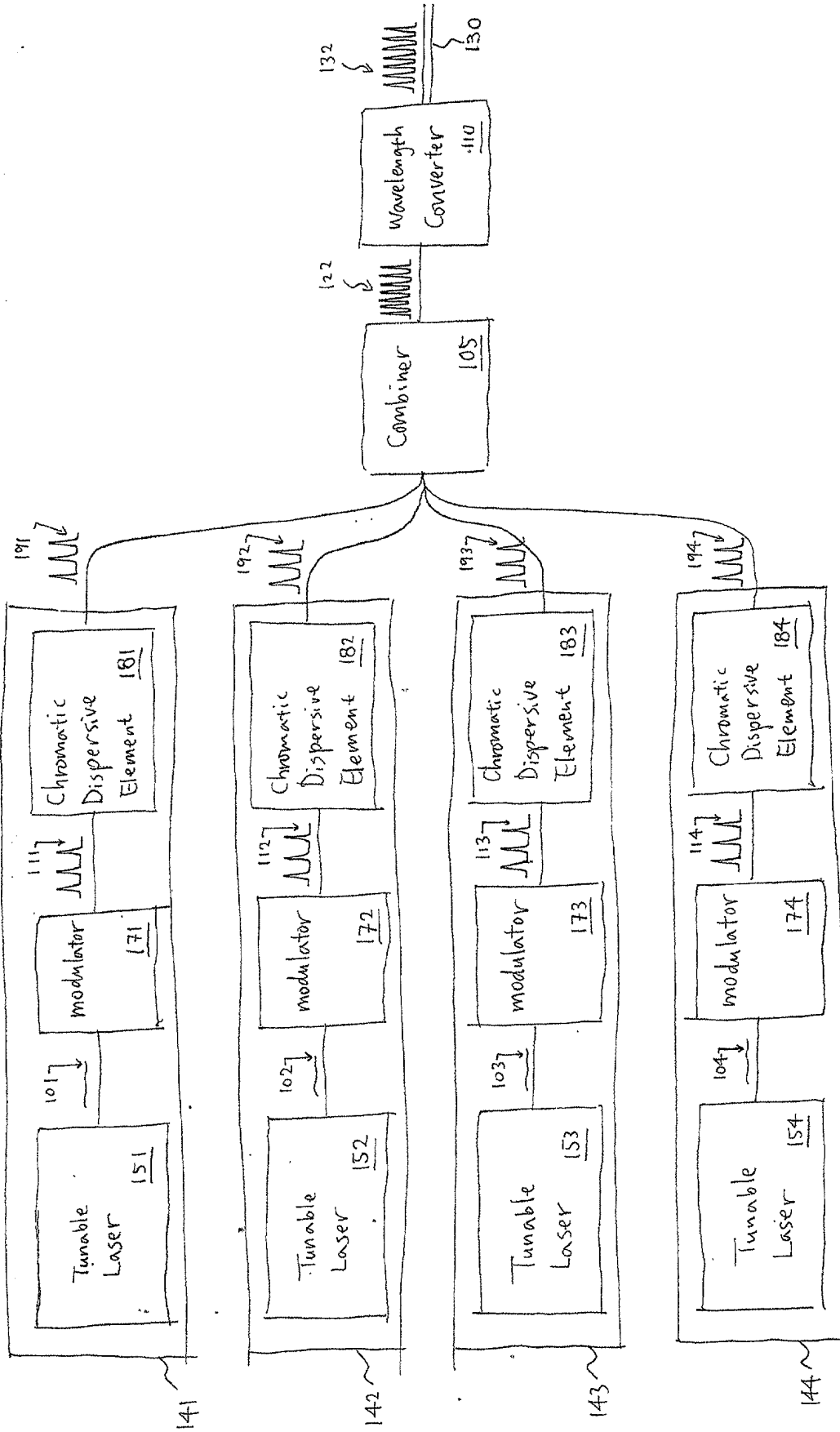


Figure 1

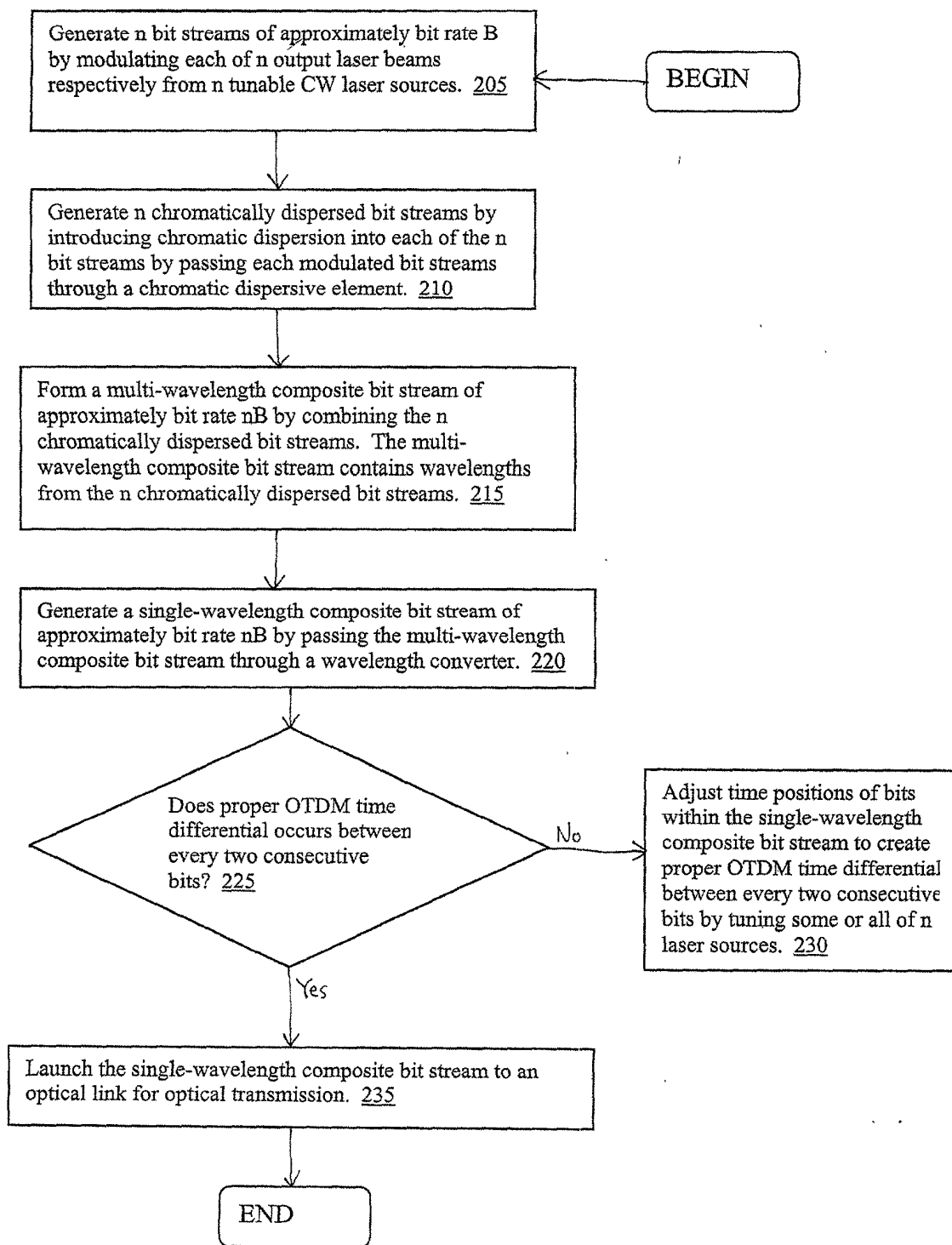


Figure 2

300

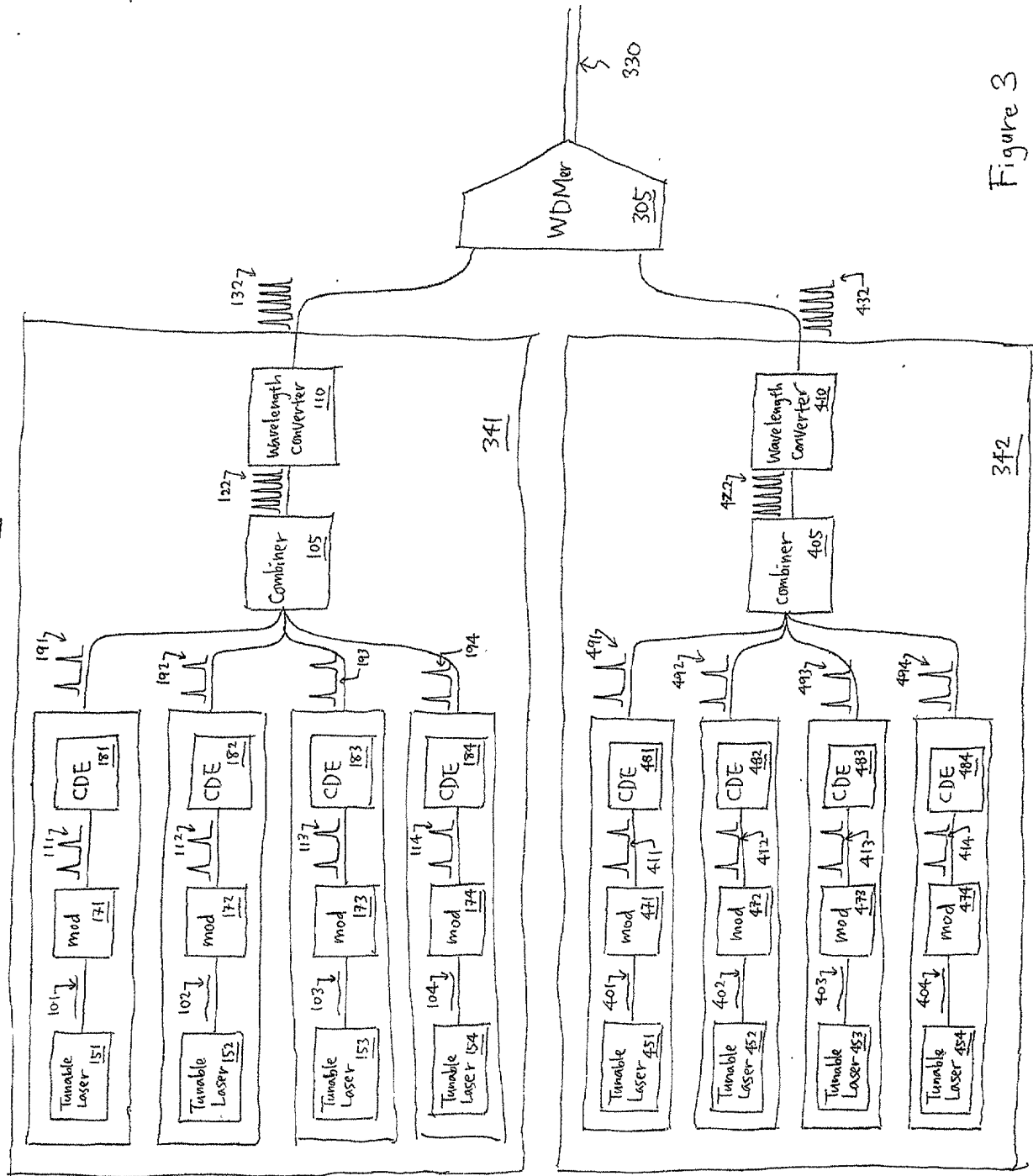


Figure 3